"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

L 22583-66
ACC NR: AP6012932 SOURCE CODE: UR/0104/65/000/007/0040/0044

AUTHOR: Bezrukikh, P. P. (Engineer); Musatov, G. T. (Engineer); Gvozdev, Ye. I. (Engineer); Gesse, B. A. (Engineer)

ORG: none

TITLE: New method of forming ion-excitation mercury valves for the Bratsk power station

SOURCE: Elektricheskiye stantsii, no. 7, 1965, 40-44

TOPIC TAGS: power plant component, valve, mercury rectifier, electronic circuit

ABSTRACT: A new circuit for forming (pre-heating) the anodes of the mercury valves used in the rectifiers of power stations is presented. The essential differences between old and new circuits are the presence of an automatic former and current limiting resistance. The primary advantage of the new circuit is its ability to provide automatic transition from pre-heating to operating conditions without breaking the main circuit. No changes in the main circuit of the system are required. Safety of operation is also increased. Orig. art. has: 4 figures and 1 table. [JPRS]

SUB CODE: 10, 09 / SUBM DATE: none

Card 1/1 gal UDC: 621.314.652

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSE, I. A.

GESSE, I. A. — " Some Electrical [illegible] of a System of Zinc Oxide and Bismuth Oxide." Leningrad State Pedagogical Inst [illegible] A. I. Herzen. Chair of Experimental Physics. Leningrad, 1955. (Dissertation for the Degree of Candidate in Physicomathematical Sciences)

SOURCE Knizhnaya Letopis', No 6 1956

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSE, I. A.

Kosman, M.S. and I.A. Gesse. [Leningrad, Polytechnical Institute imeni A.I. Gertsena (Polytechnical Institute imeni A.I. Herzen)] The Di-electric Constant of Zinc Oxide With an Admixture of Bismuth Oxi

(The Physics of Dielectrics; Transactions of the All-Union Conference on the Physics of Dielectrics) Moscow, Izd-vo AN SSSR, 1958. 245 p. 3,000 copies printed.

This volume publishes reports presented at the All-Union Conference on the Physics of Dielectrics, held in Dnepropetrovsk in August 1956 sponsored by the "Physics of Dielectrics" Laboratory of the Fizicheskiy institut imeni Lebedeva An SSSR (Physics Institute imeni Lebedev of the AS USSR), and the Electrophysics Department of the Dnepropetrovskiy gosudarstvennyy universitet (Dnepropetrovsk State University).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

AUTHORS: Kosman, M. S., Gesse, I. A. 48-22-3-19/30

TITLE: The Dielectric Constant of Zinc-Oxide With an Addition of Bismuth-Oxide (Dielektricheskaya pronitsayemost' okisi tsinka s primes'yu okisi vismuta)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, 1958, Vol. 22, Nr 3, pp. 315-318 (USSR)

ABSTRACT: The authors investigated in the present article some electric properties of the mixture of electronic semi-conductor-zinc-oxide with porous semi-conductors-cupric-oxide, copper-peroxide, bismuth oxide. One of the most interesting properties of such mixtures is the great ε. A great number of materials with great ε are known at present. Most of them contain, however, rutile which has $\varepsilon \approx 100$ in pure state. The investigated mixtures, on the other hand, with ZnO as basis, have the ε of the initial substances of the order of 10. The mixture ZnO with Bi_2O_3 was investigated most carefully. The dependence of E on the content of the admixture of Bi_2O_3, on the temperature and on the calcination-period was investigated. Each of the given ε-values represents the average for a whole series of samples which were produced under specific

Card 1/4

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

conditions. The deviation from the average does not exceed 10% in most of the cases. The ε values do not change automatically according to time. ε values which were obtained under different conditions are shown in the table from which may be seen that depends on the concentration of Bi_2O_3. The ε values given in the table also show the value of the dependence of ε on the calcination temperature. The prolongation of the calcination period causes an increase in ε. It was found that with numerous samples ε does not depend on the frequency within the range $10^3 \div 10^6$ Hertz. With some samples ε decreases according to an increase in frequency. The addition of Bi_2O_3 to ZnO changes also other electric properties of ZnO. A lower conductivity is observed in comparison with pure ZnO - besides the increase in ε. This resistance is too low, however, for classifying these mixtures as dielectrics, and that they could be practically used. At room-temperature the resistance remains unchanged for months. Subjectes to thermal treatment it changes, however, very readily. The sample can be retransferred to the state of lower conductivity by repeated heating up to

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

The Dielectric Constant of Zinc-Oxide With an Addition of Bismuth-Oxide 48-22-3-19/30

the same temperature and by slow cooling down. A reduction of the conductivity below $10^{-10}\Omega^{-1}cm^{-1}$ was not achieved, however, The conductivity is presumably correlated with the influence of oxygen. The change of conductivity with thermal treatment of the sample is accompanied parallel to its capacity: higher conductivity involves an increase in capacity and vice-versa. The piezoelectric effect and the dependence of ε on the tension are lacking. Hence it may be concluded that the mixture ZnO with Bi_2O_3 is no piezoelectric. The X-ray analysis shows that the mixture maintains the lattice ZnO up to inclusively 15% Bi_2O_3. It is not impossible that the presence of a great ε is caused by relaxation processes of electronic character. It is possible that these processes are analogous to the phenomena observed by Ya. M. Ksendzov in pure TiO_2 with few admixtures. This assumption should be complementarily examined. There are 4 figures and 1 table.

ASSOCIATION: Gos. pedagogicheskiy institut im. A. I. Gertsena (State Pedagogical Institute imeni A. I. Gertsen)

Card 3/4

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

The Dielectric Constant of Zinc-Oxide With an Addition of Bismuth-Oxide 48-22-3-19/30

AVAILABLE: Library of Congress

1. Zinc oxides--Dielectric properties--Effects of Bismuth oxide
2. Zinc oxides--Dielectric properties--Thecry

Card 4/4

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

1

30V/58-59-9-20571

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 9, p 1[illegible] (USSR)

AUTHORS: Kosman, M.S., Gesse, I.A.

TITLE: The Electrical Properties of a Mixture of Zinc Oxide and Bismuth Oxide

PERIODICAL: Uch. zap. Leningr. gos. ped. in-ta im. A.I. Gertsena, 1958, Vol. [illegible], pp 85 - 9[illegible]

ABSTRACT: The dielectric constant (ε), the electrical conductivity (σ), and the temperature dependence of σ were measured in a mixture of ZnO and Bi_2O_3. The distinctive property of this mixture is the high value of ε (up to 2,000), as compared with $\varepsilon \approx 10$ in the case of the initial substances. The capacitance of the samples was measured at a frequency of $\sim 10^6$ c with the aid of the circuit suggested by M.S. Kosman (RZhFiz, 1959, Nr 2, 3624). The curve of ε versus the concentration of Bi_2O_3 exhibits a maximum which shifts towards the lesser concentrations when the roasting temperature of the samples increases. When the temperature and the roasting time increase, ε increases. It was found that the σ of ZnO decreases by 1 to 4 orders of magnitude when Bi_2O_3 is added, the minimum value of σ being recorded at a 3 to 5% content of Bi_2O_3. The authors

Card 1/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

1

SOV/58-59-9-20571

The Electrical Properties of a Mixture of Zinc Oxide and Bismuth Oxide

observed a strong dependence of σ and its temperature characteristics on the pre-treatment of the sample (in particular, on the temperature and duration of the preceding heating, the cooling conditions, and so fourth). They advance the hypothesis that the effect of temperature treatment on σ is connected with a change in the content of oxygen in the sample. In the opinion of the authors, the observed parallel variation of ε and σ during heating indicates that the high value of ε for the investigated mixture is due to electronic processes.

L.A. Ugarov

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSE, M.I. [deceased]; IL'INSKIY, B.V.

Data on the etiology of atherosclerosis. Terap.arkh. 28 no.6:17-27 '56. (MLRA 9:11)

1. Iz Fakul'tetskoy terapevticheskoy kliniki (zav. - deystvitel'nyy chlen AMN SSSR prof. G.F.Lang [deceased]) I Leningradskogo meditsinskogo instituta imeni I.P.Pavlova i iz otdela patologicheskoy anatomii (zav. - akademik N.N.Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR.

(ARTERIOSCLEROSIS, etiology and pathogenesis, (Rus))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSE, V.N.

Preliminary results of geological surveying in the Paga Basin (Polar Urals). Mat.po geol.i pol.iskop.Sev.-Vost.Evrop.chasti SSSR no.1:61-65 '61. (MIRA 14:11)
(Ural Mountains--Geological surveys)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSE, V.N.

New data on the stratigraphy of ancient formations of the Lemva structural-facies zone. Mat. po geol. i pol. iskop. Sev.-Vost. Evrop. chasti SSSR. no.2:3-6 '62.
(MIRA 15:11)
(Ural Mountain region—Geology, Stratigraphic)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

LEVIT, G.O., inzhener; GESSELEV, A.M., inzhener.

Scientific and technical conference on transformers in Zaporozh'ye. Elektrichestvo no.11:95 N '56. (MLRA 9:12)

(Electric transformers)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, A. I.

Sanitation and hygiene of technical processes in the food industry. Leningrad, Med giz, 1951.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GEISSEN, A. [illegible]

A. GEISSEN

"The epidemiological role of nutritional proteins. [illegible]" [illegible], No. 1, Jan. 1952, Sofiya, Bulgaria.)

SO: Monthly List of East European Accessions, Vol. 2, No. [illegible], July 1953, Uncl.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

USSR/Chemical Technology - Chemical Products and Their Application. Food Industry, I-28

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63650

Author: Gessen, A. I., Gorfunkel', I. I.

Institution: None

Title: Effects of the Conditions of Production and Storage of Creams and Cream Products on Their Bacterial Contamination

Original Periodical: Tr. Leningr. san.-gigien. med. in-ta, 1953, 11, 178-193

Abstract: Studied were the factors that determine the initial bacterial contamination of creams and cream pastry, and its changes during 3-day storage. It was found that primary sources of bacterial contamination of cream products are butter, rum syrup and cacao powder. A tendency has been ascertained toward decreased over-all contamination of creams and cream products on 3-day storage at 18°-24° due to a reduction in all forms of microflora. In the course thereof organoleptic properties and acidity of creams made from milk cream showed no changes,

Card 1/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

USSR/Chemical Technology - Chemical Products and Their Application. Food Industry, I-28

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63650

Abstract: but since they undergo no changes also on contamination of food products with toxigenic staphyloccus, these results provide no criteria for hygienic evaluation of the good quality of cream products. The destruction of bacteria coli in creams has been confirmed. To reduce the over-all bacterial contamination of cream products it is recommended to change the storage conditions of rum syrup and saturation of pastry therewith by spraying.

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

USSR/Medicine - Nutrition FD-3302

Card 1/1 Pub. 141 - 17/19

Author : Agranovskiy, Z. M.; Gessen, A. I. (Reviewed by Bychkov, I. Ya.)

Title : Guide for specialization of subordinates in nutritional hygiene

Periodical : Vop. pit., 47-48, Jul/Aug 1955

Abstract : Gives favorable review of above guide for students about to become specialists in nutritional hygiene. The few errors found in the book are due to faulty editing, according to the reviewer. No references.

Institution :

Submitted :

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, A.I.

Sanitary standards in planning industrial plants (NSP 101-51) and their application in the food industry. Trudy LSGMI 25: 189-200 '55. (MIRA 12:8)

1. Kafedra gigiyeny pitaniya Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (nav. kafedroy dotsent Z.M.Agranovskiy).
(FOOD HANDLING,
sanit. standards in food indust. in Russia (Rus))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

KOSHINA, Z.P.; LEBEDEVA, Ye.A.; GESSEN, A.I., redaktor; SHEVCHENKO, F.Ya., tekhnicheskiy redaktor

[Menus and calculation tables for the chemical content of food rations for children's homes] Meniu-raskladki i raschetnye batlitsy khimicheskogo sostava pishchevykh ratsionov dlia detskikh domov. Moskva, Gos. Izd-vo meditsinskoi literatury, 1956. 79 p. (Leningrad. Sanitarno-gigienicheskii meditsinskii institut. Trudy, no.24) (MLRA 9:12)

(FOOD
menu & tables of chem. content of food rations in children's homes)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

BASHENIN, V.A., red.; ZHDANOV, D.A., prof., red.; ANDREYEVA-GALANINA, Ye.TS., prof., red.; ANICHKOV, S.V., prof., red.; BABAYANTS, R.A., prof., red.; KLIONSKIY, Ye.Ye., prof., red.; SMIRNOV, A.V., prof., zasluzhennyy deyatel' nauki, red.; TIKHOMIROV, P.Ye., prof., red.; UDINTSEV, G.N., prof., red.; TSINZERLING, V.D., prof., red.; SHCHELKUNOV, S.I., prof., red.; GESSEN, A.I., dots., red.

[Instructions on conducting laboratory and field work for a course in epidemiology] Metodicheskie ukazaniia k prakticheskim zaniatiiam studentov po kursu epidemiologii. Moskva, Gos. Izd-vo med. lit-ry, 1956. 189 p. (Leningrad. Sanitarno-gigienicheskii meditsinskii institut. Trudy, vol.38). (MIRA 11:4)

1. Zaveduyushchiy kafedroy epidemiologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (for Bashenin). 2. Chlen-korrespondent AMN SSSR (for Zhdanov, Babayants, TSinzerling, Shchelkunov). 3. Deystvitel'nyy chlen AMN SSSR (for Anichkov). 4. Chlen-korrespondent AMN SSSR i AN KazSSR (for Udintsev). (EPIDEMIOLOGY--STUDY AND TEACHING) (MIRA 11:4)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, A.I.; KLYCHA, L.P.; KHARAKHORKINA, K.D.; CHISTYAKOVA, A.M.

Hygienic characteristics of nutrition at trade schools. Trudy LSGMI 31:129-144 '56. (MIRA 12:8)

1. Kafedra gigiyeny pitaniya Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - dots. Z.M.Agranovskiy).

(SCHOOLS,
trade schools, nutrition (Rus))
(NUTRITION,
in trade schools (Rus))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

BABAYANTS, Ruben Ambartsumovich; GESSEN, A.I., red.; KHARASH, G.A., tekhn. red.

[Agricultural utilization and composting of municipal refuse; experimental research] Pochvennaia mineralizatsiia gorodskikh otbrosov i ikh sel'skokhoziaistvenoe ispol'zovanie; eksperimental'noe issledovanie. [Leningrad] Gos. izd-vo med. lit-ry, Leningr. otd-nie, 1958. 230 p. (MIRA 11:11)

(Compost)
(Refuse and refuse disposal)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, A.I.

Methods of sanitary ispection in the food industry under new working conditions prevailing in the Soviet national economy. Trudy LSGMI 44:307-334 '58 (MIRA 11:12)

1. Kafedra gigiyeny pitaniya Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - dotsent Z.M. Agranovskiy)
(FOOD,
sanitary evaluation of food indust. plants in USSR (Rus))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN A. I.

AGGEYEV, P.K., prof.; ANDREYEVA-GALANINA, Ye.TS., prof.; BASHENIN, V.A., prof.; BENENSON, M.Ye., doktor med.nauk; VYSHEGORODTSEVA, V.D., prof.; GESSEN, A.I., dotsent; GUTKIN, A.Ya., prof.; ZHDANOV, D.A., prof., laureat Stalinskoy premii; ZNAMENSKIY, V.F., prof.; KLIONSKIY, Ye.Ye., prof.; MONASTYRSKAYA, B.I., prof.; MOSKVIN, I.A., prof.; MUCHNIK, L.S., kand.med.nauk; PETROV-MASLAKOV, M.A., prof.; RUBINOV, I.S., prof.; RYSS, S.M., prof.; SMIRNOV, A.V., prof., zasluzhennyy deyatel' nauki; TIKHOMIROV, P.Ye., prof.; TROITSKAYA, A.D., prof.; UDINTSEV, G.N., prof.; UFLYAND, Yu.M., prof.; FEDOROV, V.K., prof.; KHILOV, K.L., prof., zasluzhennyy deyatel' nauki; VADKOVSKAYA, Yu.V., prof.; MARSHAK, M.S., prof.; PETROV, M.A., kand.med.nauk; POSTNIKOVA, V.M., kand.med.nauk; RAPOPORT, K.A., kand.biolog.nauk; ROZENTUL, M.A., prof.; YANKELEVICH, Ye.I., kand.red.nauk; LYUDKOVSKAYA, N.I., tekhn.red.

[Book on health] Kniga o zdorov'e. Moskva, Gos.izd-vo med.lit-ry, Medgiz, 1959. 446 p. (MIRA 12:12)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Zhanov, Udintsev). 2. Leningradskiy sanitarno-gigiyenicheskiy meditsinskiy institut (for all, except Vadkovskaya, Marshak, Petrov, Postnikova, Rapoport, Rozentul, Yankelevich, Lyudkovskaya). (HYGIENE)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

OESSEN, A.I.

Hygienic aspects in the planning of food-processing plants.
Trudy LSGMI no.47:254-291 '59. (MIRA 12:9)

1. Kafedra gigiyeny pitaniya Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - dotsent Z.M.Agranovskiy).

(FOOD PROCESSING INDUSTRY)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

MANDEL'SHTAM, A.E., prof., zasl. deyatel' nauki; GESSEN, A.I., red.

[Obstetrical and gynecological practice; transactions] Akusherako-ginekologicheskaia praktika; trudy. Pod red. A.E.Mandel'shtama. Leningrad, 1960. 214 p. (MIRA 15:1)

1. Leningrad. Institut usovershenstvovaniya vrachey, im. S.M. Kirova. 2. Zaveduyushchiy kafedroy akusherstva i ginekologii Gosudarstvennogo instituta dlya spetsializatsii i usovershenstvovaniya vrachey (for Mandel'shtam).
(OBSTETRICS) (GYNECOLOGY)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, A.I., red.

[Pathology of the osteoarticular apparatus] Patologiia kostnosustavnogo apparata. Leningrad, 1961. 142 p. (MIRA 15:8)

1. Leningrad. Nauchno-issledovatel'skiy institut ekspertizy trudosposobnosti i organizatsii invalidov.
(JOINTS—DISEASES)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

SADOF'YEV, A.I.; KOSINSKAYA, N.S., prof., otv. red.; GESSEN, A.I., red.

[X-ray diagnosis of the functional state of external respiration under clinical conditions and in the expertise of work capacity]Rentgenodiagnostika sostoianiia funktsii vneshnego dykhaniia v klinike i pri ekspertize trudosposobnosti; metodicheskoe posobie dlia vrachei VTEK i lechebnykh uchrezhdenii. Leningrad, Leningr. nauchno-issl. in-t ekspertizy trudosposobnosti i organizatsii truda invalidov, 1960. 77 p. (MIRA 16:2)

(RESPIRATORY ORGANS--RADIOGRAPHY)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

ROKHLIN, D.G., prof.; KOSINSKAYA, N.S., prof., otv. red.; GESSEN, A.I., dots., red.

[Pulmonary segments in X-ray pictures; topografical anatomical, clinical and expertise data] Legochnye segmenty v rentgenovskom izobrazhenii; topografo-anatomicheskie, klinicheskie i ekspertnye dannye. Leningrad, Medgiz, 1963. 126 p. (MIRA 16:10)

1. Chlen-korrespondent AMN SSSR (for Rokhlin).
(LUNGS--RADIOGRAPHY)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, B A
AMR

Mechanics (Dynamics, Statics, Kinematics)

979. Gessen, B. A. The analytical method of investigation of spatial meshing, 5, 19, 2[illegible]-61, 1948.

Chapters 1 and 2 contain a review of the kinematics of a moving surface in parametric treatment. Both vector and coordinate symbolics are used. Envelope equation and relative motion are emphasized. Chapter 3 (5 pp.) rewrites Gohman's equations ("Teoriya zatsepleniI," Odessa, 1886) of mating surfaces obtained as [illegible] two envelopes, relative to the two meshing bodies, of any moving surface. The equations of the characteristics are also given. These equations are of the first order in the partial derivatives of F, where F(X, Y, Z) = 0 is the equation of the surface in question. In chapter 4 (9 pp.) the equations for the same surfaces and characteristics are derived assuming parametric representation; their left-hand sides are written as determinants. The whole discussion is made in general terms. Most readers would probably be satisfied if they could see the last nine pages only. The developments are applied in the paper of the following review.

A. W. Wunsheiser

The above article appeared, in Russian, in Trudi Sem. Teor. Mash. Mekh.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

SOV/124-58-6-7273

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 6, p 131

AUTHOR: Gessen, B.A.

TITLE: Annular Elastic Systems for Dynamometers Equipped With Wire Strain Gages (Kol'tsevyye uprugiye sistemy dlya dinamometrov s provolochnymi datchikami)

PERIODICAL: Tr. Mosk. in-ta khim. mashinostr., 1957, Vol 11, pp 173-186

ABSTRACT: An investigation of the dimensions of rings suitable for the attachment of four wire strain gages comprising the circuitry of a resistance bridge upon them.

Reviewer's name not given

1. Dynamometers--Equipment 2. Strain gages--Installation

Card 1/1

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

SOV/123-59-16-64904

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 16, p 175 (USSR)

AUTHORS: Gessen, B.A., Shklovskaya, F.A.

TITLE: Device for the Continuous Measurement of Pressure and Vacuum

PERIODICAL: Tr. Mosk. in-ta khim. mashinostr., 1958, 17, 173 - 178

ABSTRACT: A device for the measurement of pressure and vacuum in processes, proceeding quickly and slowly, was designed and tested by the Moscow Institute of Chemical Machine Construction. The sensitive part of the device is an elastic ring, rigidly fastened to a rod with a diaphragm taking up the pressure. The application of wire pick-ups permits, in addition to the measurement of the process, its continuous recording with the aid of self-recorders or oscillographs. By this the pick-ups are switched into the circuit of the bridges. The feed of the pick-ups is effected by an amplifying generator with a frequency of 6,000 cycles. The device is distinguished by an extensive measuring range, its simple design and adjustment. The design excludes the effects of temperature on the indications of the device. 4 circuits.

Card 1/1 R.I.S.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, D. D.

Author: Gessen, D.D.

Title: Outline of the History of the Production of Soda. Ed. by M.E. Posin

Date: 1951.

Subject: Soda Industry

Available: Library of Congress, Call No: TP245.S7G4

Source: Lib. of Cong. Subm. Cat., Apr. June 1952

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, G.V.

Sensitivity of some bridge circuits with inductively coupled arms. Trudy inst. Kom. stand. mer i izm. prib. no.67:28-38 '62.

(MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii imeni Mendeleyeva.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

6392-66 EWT(d)/EEC(k)-2
ACC NR: AP5026759 SOURCE CODE: UR/0286/65/000/017/0038/0038

AUTHOR: Gessen, G. V.

ORG: none

31
B

TITLE: A bridge with inductively coupled arms. Class 21, No. 174262

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 38

TOPIC TAGS: capacitance bridge, electronic measurement

ABSTRACT: This Author's Certificate introduces a bridge with inductively coupled arms for measuring the parameters of capacitors, in particular for measuring tanδ. The instrument contains a power supply, null indicator and master capacitor. The bridge is balanced with respect to the reactive component by varying the capacitance of this master condenser. The design of the bridge is simplified by connecting a variable resistor to the end leads of the transformer windings which form the inductively coupled arms of the bridge with a fixed capacitor between the centertap of the transformer windings and the slide of the variable resistor.

UDC: 621.317.733.011.4

Card 1/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

L 6392-66
ACC NR: AP5026759

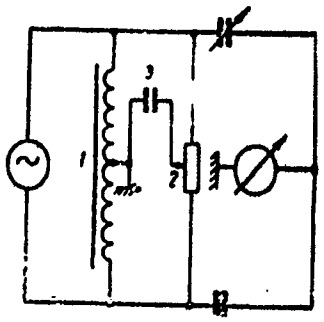


Fig. 1. 1--transformer; 2--variable resistor; 3--fixed capacitor

SUB CODE: EC/ SUBM DATE: 13Mar64/ ORIG REF: 000/ OTH REF: 000

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

MANSUROV, Khamid Khusenovich, prof.; KUTCHAK, Svetlana Nikolayevna, st. nauchn. sotr. Prinimala uchastiye MONASTYRSKAYA, B.I., prof.; GESSEN, L.A., red.

[Liver biopsy; atlas of histological studies] Biopsiia pecheni; atlas gistologicheskikh issledovanii. Dushanbe, Akad. med. nauk SSSR, 1964. 137 p. ___ [Atlas of color microphotographs] Atlas tsvetnykh mikrofotografii. 54 p. (MIA 18:2)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

N.

ABRAMSON, I.S., redaktor; SHELKOV, L.S.[translator]; TROFIMOVA, V.A., [translator] GESSEN, L. redaktor; DROKOV, A.' tekhnicheskiy redaktor; PECHNIKOVA, N, tekhnicheskiy redaktor.

[Modern cathode ray oscillograph; a collection of articles] Sovremennyi katodnyi ostsillograf; sbornik statei. Moskva, Izd-vo inostrannoi lit-ry. Pt. 1 [Installation and operation of a cathode oscillograph. Translated from the English] Ustroistvo i rabota katodnogo ostsillografa. Per..s angliiskogo L.S.Shelkova, i V.A. Trofimovoi. Pod red. I.S.Abramsona. Izd-vo 2-e, ispr. i dop. 1951 241 p. (MLRA 8:10)
(Cathode ray tubes)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

SHELKOV, L.S., translator; ABRAMSON, I.S., redaktor; GESSEN, L.N., redaktor; GERASIMOVA, Ye.S., tekhnicheskiy redaktor

[Modern cathode ray oscillograph; collection of articles] Sovremennyi katodnyi ostsillograf; sbornik statei. Moskva, izd-vo inostrannoi lit-ry. Pt.3. [Construction, function, and use of cathode ray oscillographs in physics research (based on materials from 1950-1953) Abstracted and translated by L.S.Shelkov] Ustroistvo, rabota i primeneniia katodnogo ostsillografa v fizicheskikh issledovaniiakh (po materialam 1950-1953 gg.) Referaty i perevod L.S.Shelkova. 1954. 174 p.
(Cathode ray tubes) (MLRA 8:3)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

PIKUS, G.Ye., red.; GESSEN, L.V., red.; ARTEMOVA, Ye., tekhn.red.

[Semiconductor surface physics; collection of articles] Fizika poverkhnosti poluprovodnikov; sbornik statei. Moskva, Izd-vo inostr.lit-ry, 1959. 423 p. (MIRA 13:5)
(Semiconductors)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

ZHUZE, V.P., red.; GESSEN, L.V., red.; DZHATIYEVA, F.Kh., tekhn.red.

[Semiconductors; problems of the chemical bond. Translated articles] Poluprovodnikovye veshchestva; voprosy khimicheskoi sviazi. Sbornik statei. Pod red. V.P.Zhuze. Moskva, Izd-vo inostr.lit-ry, 1960. 292 p. (MIRA 14:3)
(Semiconductors)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

BOGATOV, Geral'd Borisovich; GESSEN, L.V., red.izd-va; TIKHOMIROVA, S.G., tekhn.red.; GUS'KOVA, O.M., tekhn.red.

[Television on the earth and in space] Televidenie na zemle i v kosmose. Moskva, Izd-vo Akad.nauk SSSR, 1961. 206 p. (Television) (MIRA 14:12)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

ROZENBERG, L.D., doktor tekhn. nauk; KAZANTSEV, V.F.; MAKAROV, L.O.; YAKHIMOVICH, D.F.; DIKUSHIN, V.I., akademik, otv. red.; GESSEN, L.V., red. izd-va; GUSEVA, A.P., tekhn. red.

[Ultrasonic cutting]Ul'trazvukovoe rezanie. Moskva, Izd-vo Akad. nauk SSSR, 1962. 251 p. (MIRA 15:12)
(Ultrasonic waves—Industrial applications)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GLEZIN, V. M. Docent, GESSEN, V. K.

Tangerine

Anatomic examination of the tangerine skin; materials for the 9th pharmacopeia. Apt. delo no. 3, 1952.

Monthly List of Russian Accessions. Library of Congress, November 19[illegible].
UNCLASSIFIED.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, Docent V. Yu.

231T23

USSR/Electricity - Transmission Lines Oct 52
Transformers

"A Transformer for Capacitive Removal of Power From High-Voltage Transmission Lines," Docent V. Yu. Gessen, V. V. Ivashev, Engr, V. G. Kozhemyakin, L. D. Naumovskiy, Leningrad Affiliate of VIESKh (All-Union Inst of Electrification of Agr), LVS (Leningrad Regional Elec Power Admin) Lenenergo (Leningrad Regional Elec Power Admin)

"Elektrichestvo" No 10, pp 29-31

Gives briefly the theory of capacitive removal of power from high-voltage transmission lines as it applies when the lightning-protective cable is used for this purpose. Formulates requirements for a step-down transformer and describes design of a special transformer. Cites experimental data on the use of the special transformer in Lenenergo High-voltage network. Submitted 13 Nov 51.

231T23

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, Viktor Yul'yevich, laureat Stalinskoy premii, kandidat tekhnicheskikh nauk; FAYNBERG, Ye.F., redaktor; VODOLAGINA, S.D., tekhnicheskiy redaktor; CHUNAYEVA, Z.V., tekhnicheskiy redaktor

[Breakdowns and their prevention in electric systems serving agricultural purposes] Avariinye reshimy i zashchita ot nikh v elektricheskikh setiakh sel'skokhoziaistvennogo naznacheniia. Moskva, Gos. izd-vo selkhoz. lit-ry, 1955. 365 p. (MLRA 9:3)
(Electricity in agriculture)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

AVERBUKH, Aron Moiseyevich; RYBAK, Khariton Aronovich; BERKOVICH, M.A., retsenzent; GESSEN, V.Yu., red.; ZHITNIKOVA, O.S., tekhn. red.

[Problems of relay protection and methods for solving them] Zadachi po releinoi zashchite i metody ikh resheniia. Moskva, Gos. energ. izd-vo, 1961. 351 p. (MIRA 14:8)
(Electric relays) (Electric protection)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, Viktor Yul'yevich, kand.tekhn.nauk; IOFFINOVA, M.A., red.; BARANOVA, L.G., tekhn.red.

[Faulty operation and its prevention in agricultural electric power networks] Avariinye rezhimy i zashchita ot nikh v sel'skokhoziaistvennykh elektrosetiakh. Izd.2., perer. i dop. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1961. 495 p.

(MIRA 14:7)

(Electricity in agriculture) (Electric power distribution)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, Viktor Yul'yevich

"Emergency Conditions and Protection from them in Agricultural Power Supply Networks";

dissertation for the degree of Doctor of Technical Sciences (awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2, 1963, pp 232-236)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

ABRYUTIN, Viktor Nikolayevich; TIMOFEYEV, V.A., doktor tekhn. nauk, prof., retsenzent; GESSEN, V.Yu., dots., retsenzent; IVANOV, Ye.A., dots., retsenzent; [illegible], retsenzent; KUZIN, Yu.L., dots., kand. tekhn. nauk, retsenzent; KLIMOV, V.A., st. prepod., retsenzent; VOL'PE, L., red.

[Electromagnetic transients in electrical networks and systems] Elektromagnitnye perekhodnye protsessy v elektricheskikh setiakh i sistemakh; uchebnoe posobie. Leningrad, Severo-zapadnyi zaochnyi politekhn. in-t, 1962. 278 p. (MIRA 17:5)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

BOROVIKOV, Vasiliy Aleksandrovich; KOSAREV, Vladimir Kuz'mich; KHODOT, Georgiy Aleksandrovich; SLAVIN, M.I., kand. tekhn.nauk, retsenzent; DOROKHOVA, A.I., inzh., retsenzent; GESSEN, V.Yu., doktor tekhn. nauk, red.; SOKOLOVA, Ye.V., tekhn. red.

[Electrical networks and systems] Elektricheskie seti i sistemy. Moskva, Gosenergoizdat, 1963. 459 p. (MIRA 16:8)
(Electric lines--Overhead)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, V.Yu., doktor tekhn. nauk

A book necessary to students and engineers. Mekh. i elek. sots. sel'khoz. 21 no.3:63-64 '63. (MIRA 16:8)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Rural electrification)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, V.Yu., doktor tekhn.nauk

Efficiency of current cutoff in rural power distribution systems. Mekh. i elek. sots. sel'khoz. 21 no.4:39-41 '63. (MIRA 16:9)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Electric power distribution)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSEN, V.Yu., doktor.tekhn.nauk; GUBANOV, V.V., kand.tekhn.nauk

Static single-phase three-phase phase number converter. Elektrotekhnika 35 no.2:37-40 F '64. (MIRA 17:3)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSIN, N., starshiy inzh.

Half a million hectares in a single province. Grazhd. av. 19 no.3:14 Mr '62. (MIRA 15:5)
(Voronezh Province--Aeronautics in agriculture)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

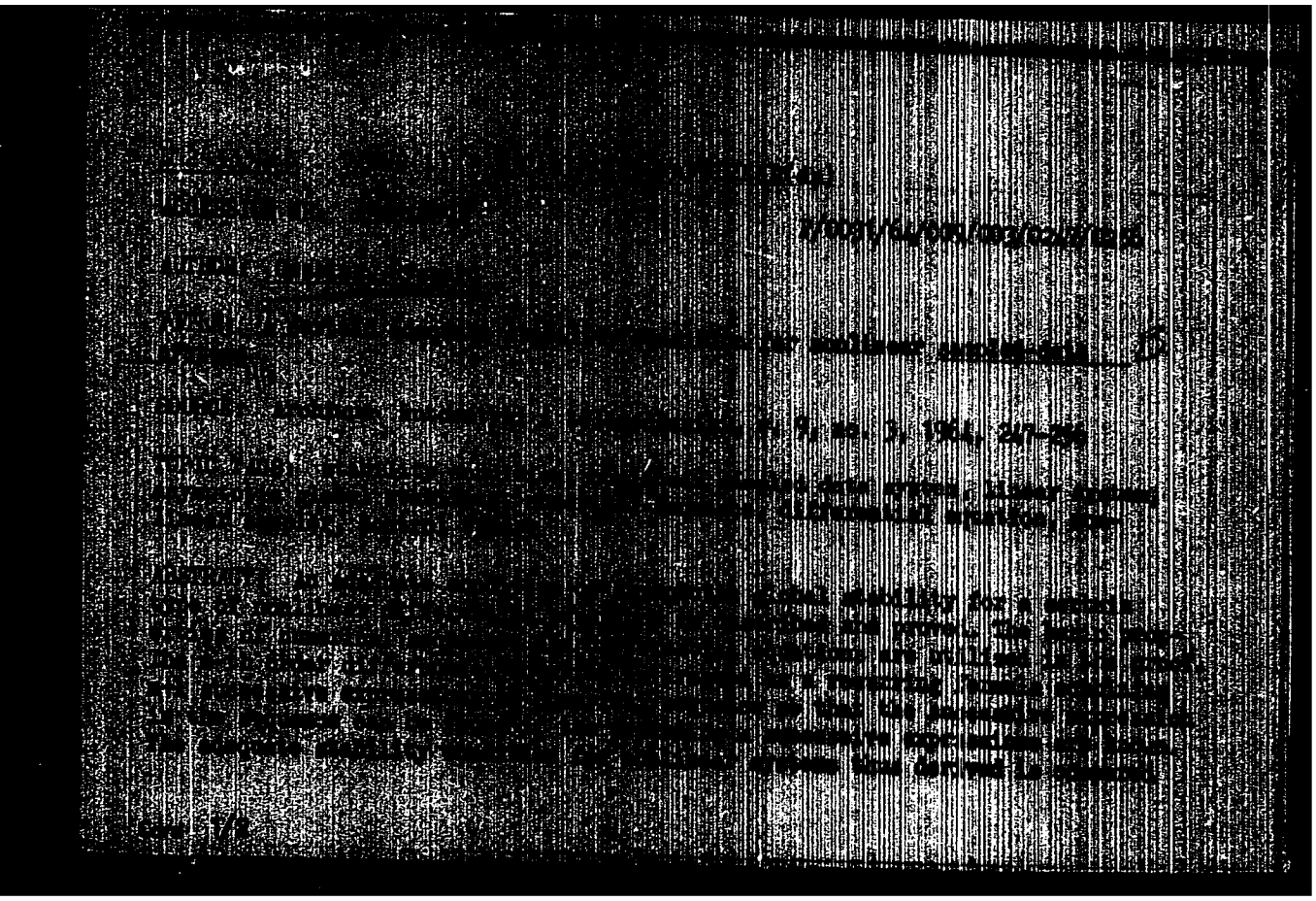
GESSIN, N.N.

Aids in plant protection. Zashch. rast. ot vred. i bol. 8 no.6:7-8 Je '63. (MIRA 16:8)

1. Starshiy inzh. aviatsii spetsial'nogo primeneniya, Voronezhskaya oblast'.
(Voronezh Province—Spraying and dusting in agriculture)
(Voronezh Province—Aeronautics in agriculture)

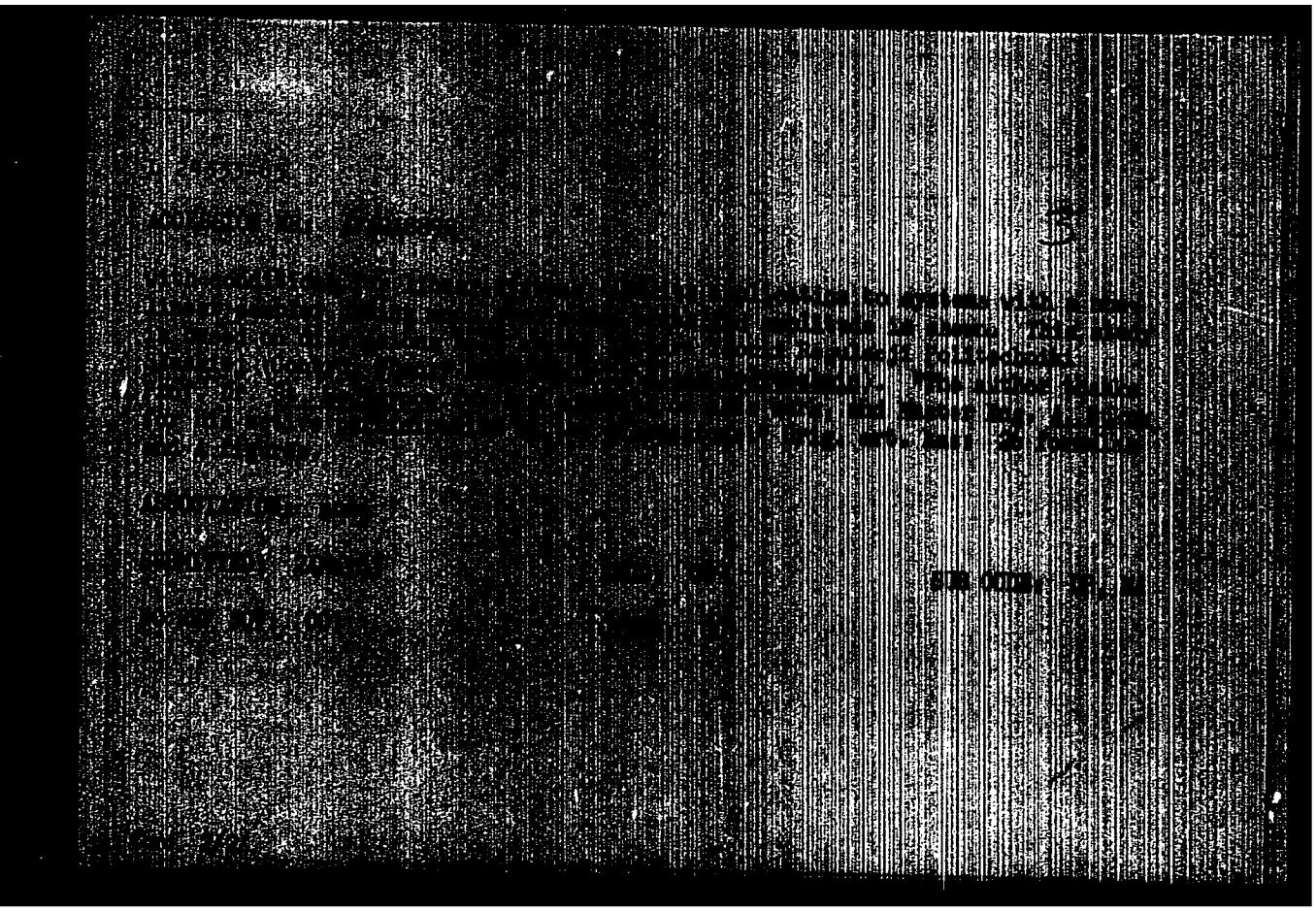
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

L 34812-66 EWT(d) IJP(c)

ACC NR: AT6014884 SOURCE CODE: PO/2536/65/000/006/0005/0025

24
22
B+1

AUTHOR: Gessing, Ryszard

ORG: Chair of the Theory of Control, Slask Polytechnic (Katedra Teorii Regulacji, Politechnika Slaska)

TITLE: Satisfactory conditions for global asymptotic stability of nonlinear data sample systems

SOURCE: Gliwice Politechnika Slaska. Zeszyty naukowe, no. 132, 1965. Automatyka, no. 6, 5-25

TOPIC TAGS: recurrence analysis, ~~differential equation~~, global stability, linear difference equation, nonlinear pulse generator, NONLINEAR SYSTEM, CONTROL SYSTEM STABILITY, NONLINEAR DIFFERENTIAL EQUATION, DATA SAMPLING

ABSTRACT: A sufficient condition for the global stability of certain nonlinear differential equations has been presented and proved in this paper. The condition has been proved by means of a recurrence analysis method based on the fact that a differential equation of order m is a recurrence relation from which it is possible to get the value of the function for any value of argument n, if the values of the function for m previous arguments are known. The condition obtained has been compared with the stability conditions for linear differential equations. Some examples of the application of this condition for systems with a nonlinear pulse-generating amplitude and width-modulated pulses have been presented. The author

Card 1/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

L 34812-66

ACC NR: AT6014884

wishes to thank Prof. Dr. Stefan Wegrzyn for his valuable review and pointers and Dr. Eng. Adam Bukow for his active part in the discussions. Orig. art. has: 5 figures and 37 formulas. [Author's abstract.] [KS]

SUB CODE: 20/ SUBM DATE: 03Feb64/ ORIG REF: 001/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

L 34813-66 EWT(d) IJP(c)
ACC NR: AT6014885 SOURCE CODE: PO/2536/65/000/006/0027/0059

AUTHOR: Gessing, Ryszard

ORG: Chair of Theory of Control, Slask Polytechnic (Katedra Teorii Regulacji, Politechnika Slaska)

TITLE: Application of the differential equation method to control systems including a nonlinear pulse regulator with rectangular output pulses

SOURCE: Gliwice. Politechnika Slaska. Zeszyty naukowe, no. 132, 1965. Automatyka, no. 6, 27-59

TOPIC TAGS: differential equation, amplitude modulation, pulse width modulation, stability condition, nonlinear control system, control system stability

ABSTRACT: Nonlinear sample data systems can be analyzed by the differential equation method. The method starts by formulating the differential equation for the system to be analyzed. The paper presents a method for obtaining the differential equations for control systems with a nonlinear pulse regulator with rectangular pulses with amplitude modulation, with width modulation and nonstationary starting point, and with width modulation and a fixed starting point. Using this method the formulas for the coefficients of the differential equations for the cases mentioned above have been obtained. A method for obtaining numerical solutions of these differential equations for any type of force function has also been presented. The differential equations obtained can be used for the stability analysis based on the sufficient

Card 1/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

L 34813-66

ACC NR: AT6014885

stability condition formulated by the author. This condition is presented in a previous article. Orig. art. has: 6 figures and 27 formulas. [Author's abstract.]
[KS]

SUB CODE: 20/ SUBM DATE: 16Mar64/ ORIG REF: 001/ SOV REF: 002

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

L 10428-67 EWP(v)/EWP(k)/EWP(h)/EWI(j)

ACC NR: AP6031531 SOURCE CODE: PO/0031/66/011/003/0257/0279

AUTHOR: Gessing, Ryszard

ORG: Silesian Polytechnic Institute, Department of Control Theory (Politekhnika slaska Katedra teorii regulac i)

TITLE: Difference equations for nonlinear sampled-data systems and their application to calculation of processes

SOURCE: Archiwum automatyki i telemechaniki, v. 11, no. 3, 1966, 257-279

TOPIC TAGS: automatic control, sampled data system, nonlinear control system, difference equation, DATA SAMPLING

ABSTRACT: The general form of difference equations is derived for a nonlinear sampled data system of arbitrary order which can be reduced to a system composed of a continuous linear part and of a nonlinear or linear pulser with pulses of arbitrary shape. The derived equations are applied to the study of the following particular sampled-data systems: a) with a linear pulser generating pulses of arbitrary shape, b) with pulser generating amplitude-modulated square pulses (IW pulser); and 3) with pulser generating width-modulated square pulses (IS pulser). It is shown that the recurrence formulas which make numerical calculation of the processes possible follow directly from the equations derived here. These calculations can be simplified in the case of a pulser with a quantization level. Some examples of calcu-

Card 1/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

L 10428-67

ACC NR: AP6031531

lating the process in practical sampled-data control systems are presented. Orig. art. has: 7 figures and 74 formulas. [LK]

SUB CODE: 09, 12/ SUBM DATE: 17Nov65/ ORIG REF: 002/ SOV REF: 002/

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESSLER, E.; ZALECKI, E.

The drawing perspective in road planning. p. 44. (Instytut Techniki Budowlanej) Warszawa Vol. 11, no. 2, Feb. 1956 [illegible]

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

MA

Electrometallurgy 4

***Nitrogen Overvoltage [on Platinum] in the Electrolysis of Solutions in Liquid Ammonia.** N. M. Gessler and V. A. Pleskov (*Zhur. Fiz. Khim.*, 1950, **24**, (4), 445-453). [In Russian]. The discrepancy between the high decompn. potentials of soln. in liq. NH_3 and the low free energy of decompn. can be explained by the large overvoltage, especially on the anode. This was proved by direct measurements of the N overvoltage on Pt in soln. of NH_4Cl, NH_4Br, NH_4ClO_4, and NH_4NO_3 in liq. NH_3 at −50° C., which gave values of 1.2-1.4 V., irrespective of the nature of the anion. The overvoltage increased linearly with the log of the c.d., the slope of the line being ($2RT/F$). G. and P. consider that the primary anodic process in soln. of strong acids is the electrochem. oxidation of NH_3, and that the anion is not discharged, though with NH_4I some I is evolved. The overvoltage arises mainly from the slowness of the electrochem. stage, not from the desorption of N from the electrode. In soln. of KNH_2, the evolution of N proceeds by discharge of NH_2^- ions, since some hydrazine is formed. G. B. H.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

[illegible]SK, Zyta; SWITLIK, Ignacy; STALEWSKI, Ryszard; GESTEMBERGER, Jadwiga.

Acute poisoning with Ricinus seeds. Pol. tyg. lek. 20 no.8: 279-281 22 F'65.

1. Z II Kliniki Chorob Wewnetrznych Pomorskiej Akademii Medycznej w Szczecinie (kierownik: prof. dr. med. Edward [illegible]); z I. Kliniki Chorob Wewnetrznych Pomorskiej Akademii Medycznej w Szczecinie (kierownik: doc. dr. med. Karol Gregorczyk) i z III Kliniki Chorob Wewnetrznych Pomorskiej Akademii Medycznej w Szczecinie (kierownik: doc. dr. med. Marek Eisner).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESTI, O.

A new synchronizing method for system-disturbance conditions; mainly in the case of turbogenerators; excerpts from an article. p.65.

Magyar Tudomanyos Akademia. Muszaki Tudomanyok Osztalya. KOZLEMENYEK. Budapest, Hungary, Vol. 23, no. 1/2, 1958.

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 2, July, 1959.

Uncl.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

DUMITRESCU, N.N.; DEAC, A., dr. dermatolog; GESTICONE, Adela, dr.

Protection and treatment unguent for healing cutaneous lesions caused by the compounds of hexavalent chromium. Rev chimie Min petr 15 no. 4:220-221 Ap '64.

1. Tirnaveni Polyclinic (for Deac). 2. Labor Medicine at the S.M.S., Tirnaveni (for Gesticone).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESTRIN, G.M. [Hestrin, H.M.]

Theorem on Fredholm's integral equation. Nauk. zap. L'viv. un. 44 no.8:86-94 '57. (MIRA 11:6)
(Integral equations)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESTRIN, G.M. [Hestrin, H.M.]

Linear differential operators invariant with regard to a group of transformations. Nauk. zap. L'viv. un. 44 no.8:95-106 '57.
(MIRA 11:6)

(Operators (Mathematics))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESTRIN, G.M. [Hestrin, H.M.]

Separability of variables in equations which are invariant with regard to a group of transformations. Nauk zap. L'viv. un. 44 no.8: 107-114 '57. (MIRA 11:6)
(Differential equations, Partial) (Operators (Mathematics))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESTRIN, G.N.

One completely continuous operator. Dop. ta pov. L'viv.un. no.6 pt.2:123 '55. (MLRA 10:3)

(Operators (Mathematics))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESTRIN, G. N.

GESTRIN, G.N.: "Some properties of linear differential operators which permit a group of transformations." Min Higher Education Ukrainian SSR. L'vov State U imeni Ivan Franko. L'vov, 1956. (Disseration for the degree of Candidate in Sciences).

So: Knizhnaya Letopis', No 36, 1956. Moscow.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESTRIN, G.N.

Theorem on the uniqueness of a trigonometric series. Sop. ta pov. L'viv. un. no.7 pt.3:264-268 '57. (MIRA 11:2)
(Fourier's series)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

S/044/63/000/001/031/053
A060/A000

AUTHOR: Povzner, A.Ya., Gestrin, G.N.

TITLE: On some finite-difference methods of solving mixed problems for hyperbolic and parabolic equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1963, 6, abstract 1V14 (Uch. zap. Khar'kovsk. un-t, 1961, 120, Zap. Mekhan.-matem. fak. i Khar'kovsk. matem. o-va, v. 28, 33 - 63)

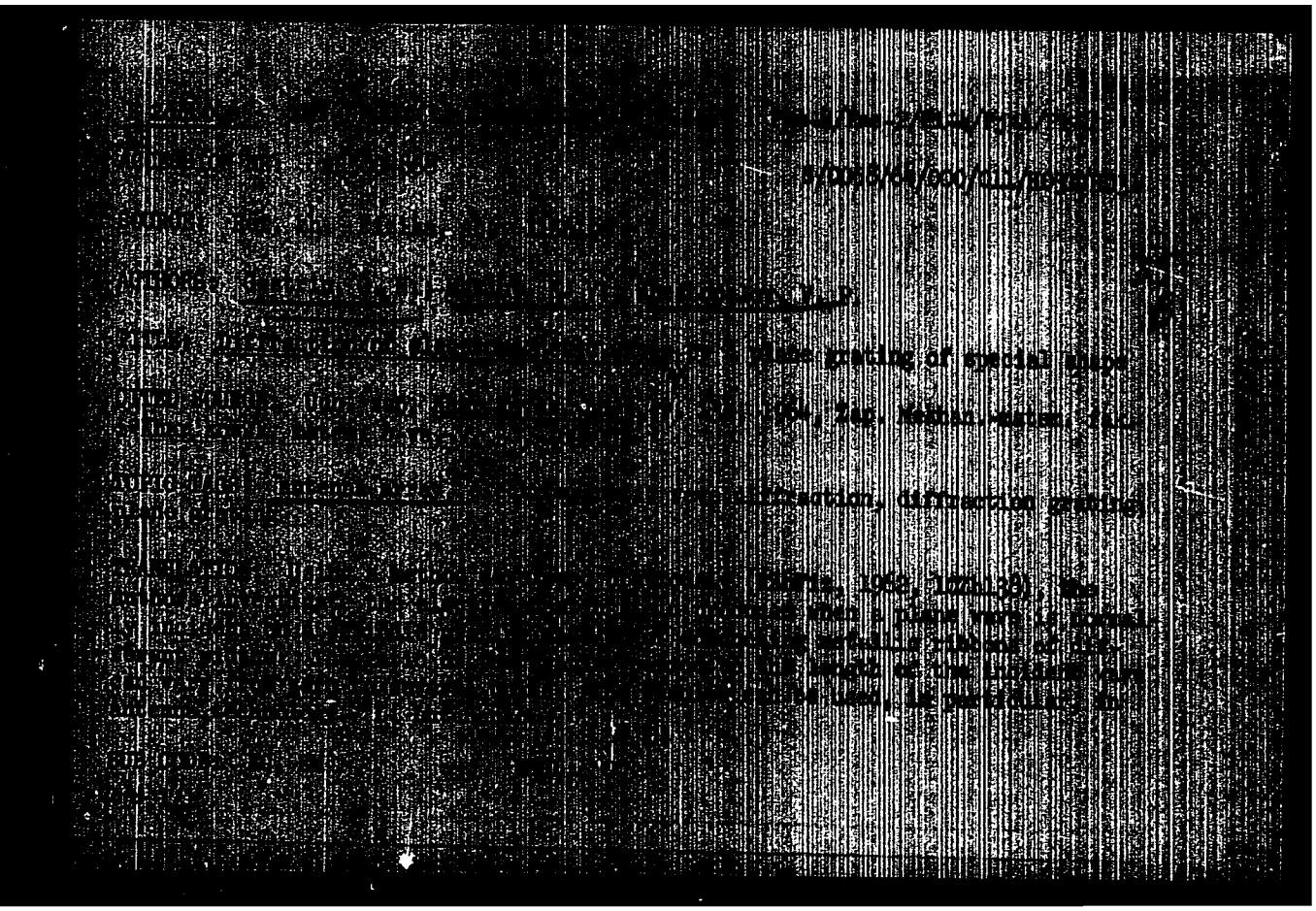
TEXT: By "imitating" with finite differences the conservation laws or integral identities defining the generalized solution, the authors construct in a natural way finite-difference schemes, which reduce to solutions of the corresponding boundary problems for second-order differential equations of the hyperbolic and parabolic type. Here, having mainly in view the construction of stable difference schemes, the authors everywhere, after proving the stability of the scheme, prove its convergence to the solution of the corresponding boundary problem in the weak sense only (the necessary uniqueness theorems are assumed to be known).

[Abstracter's note: Complete translation]

Card 1/1

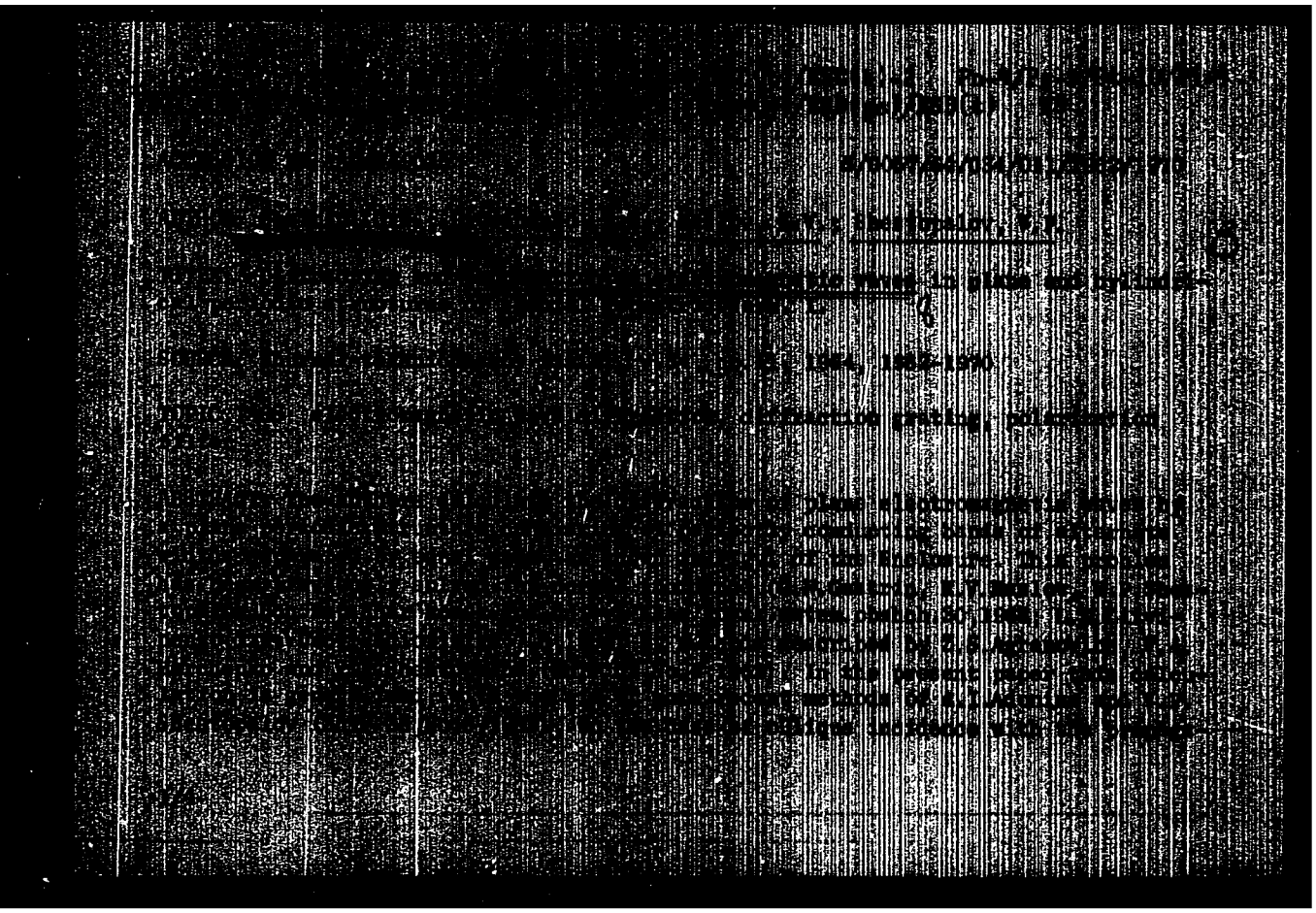
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



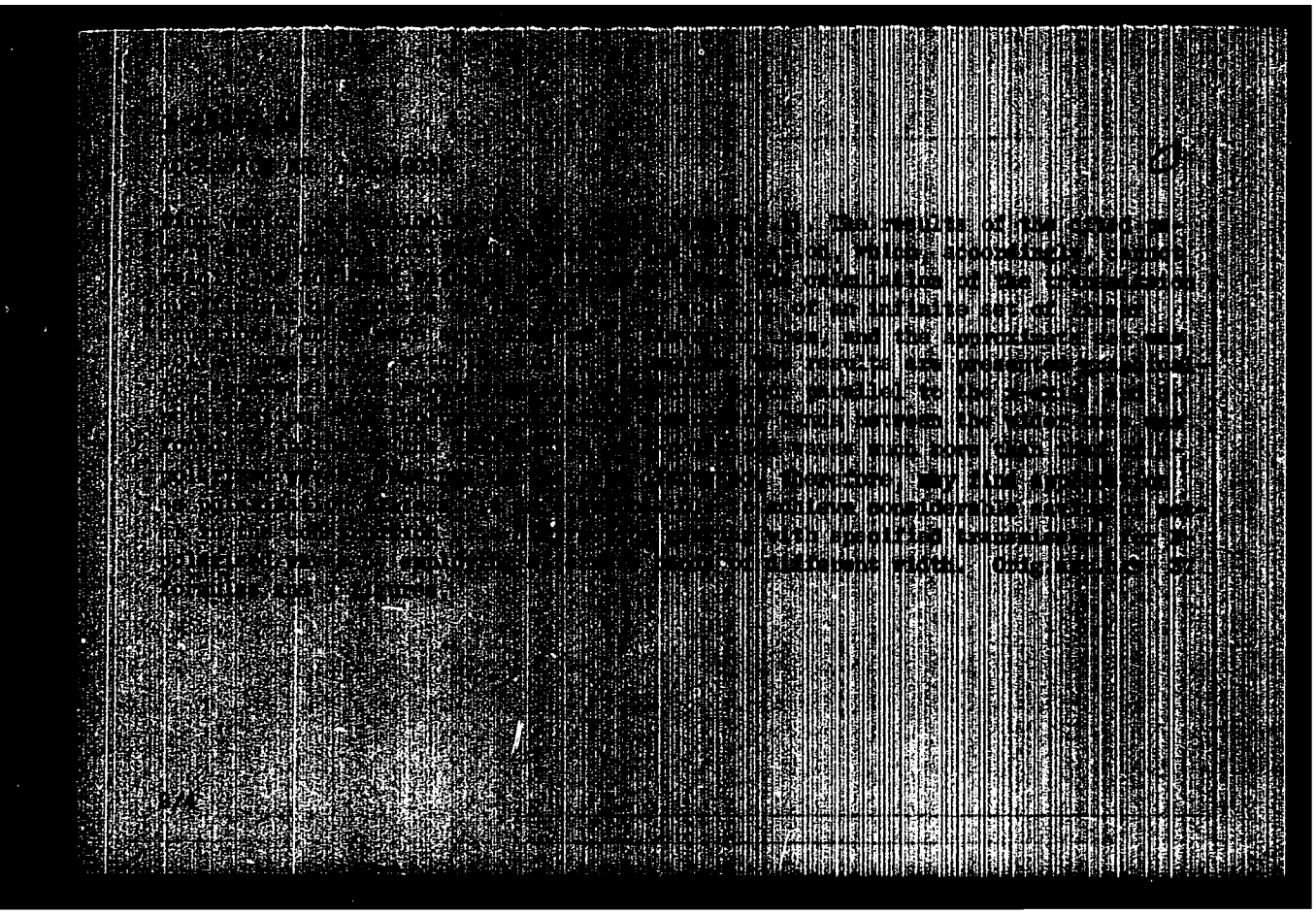
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



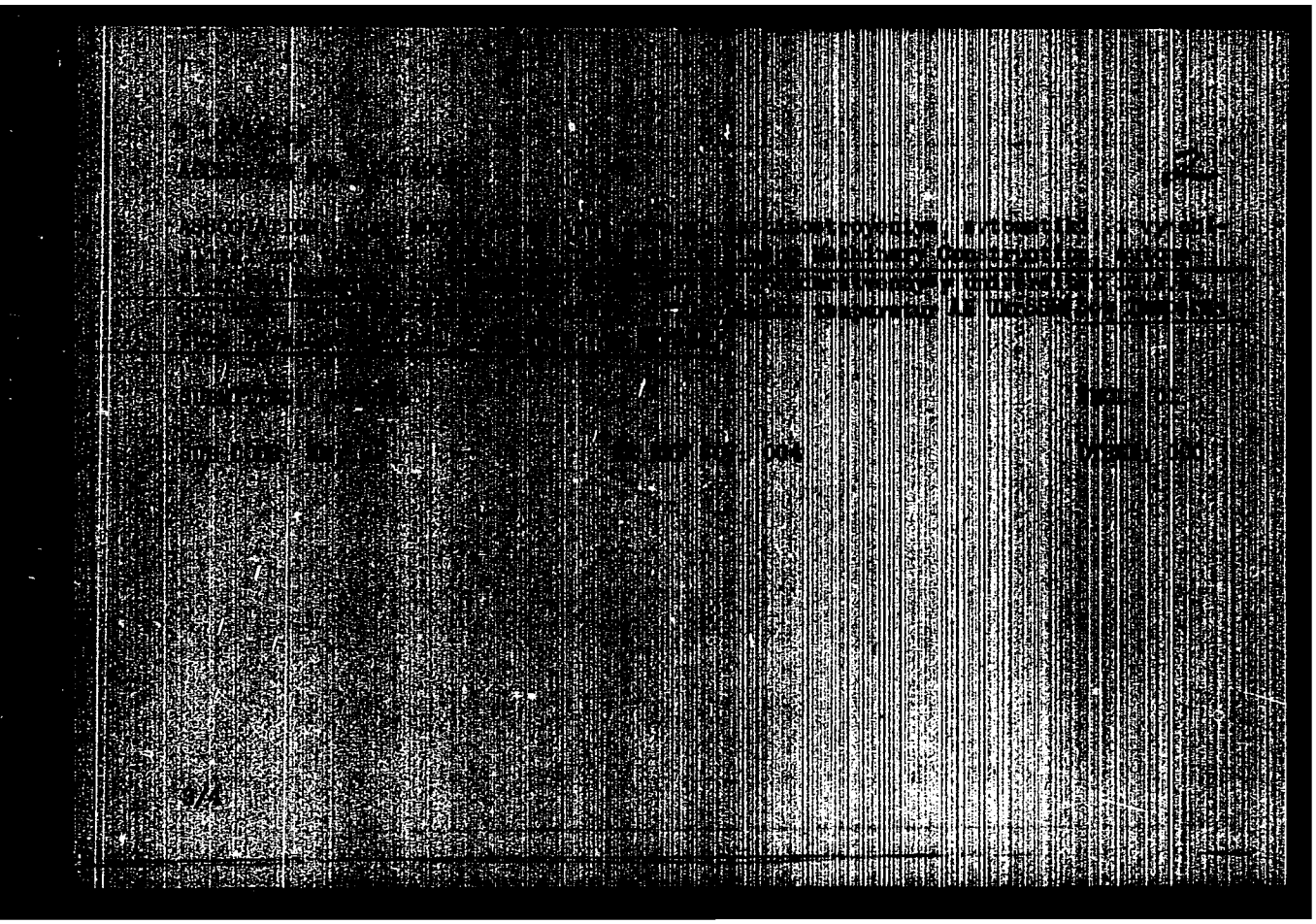
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



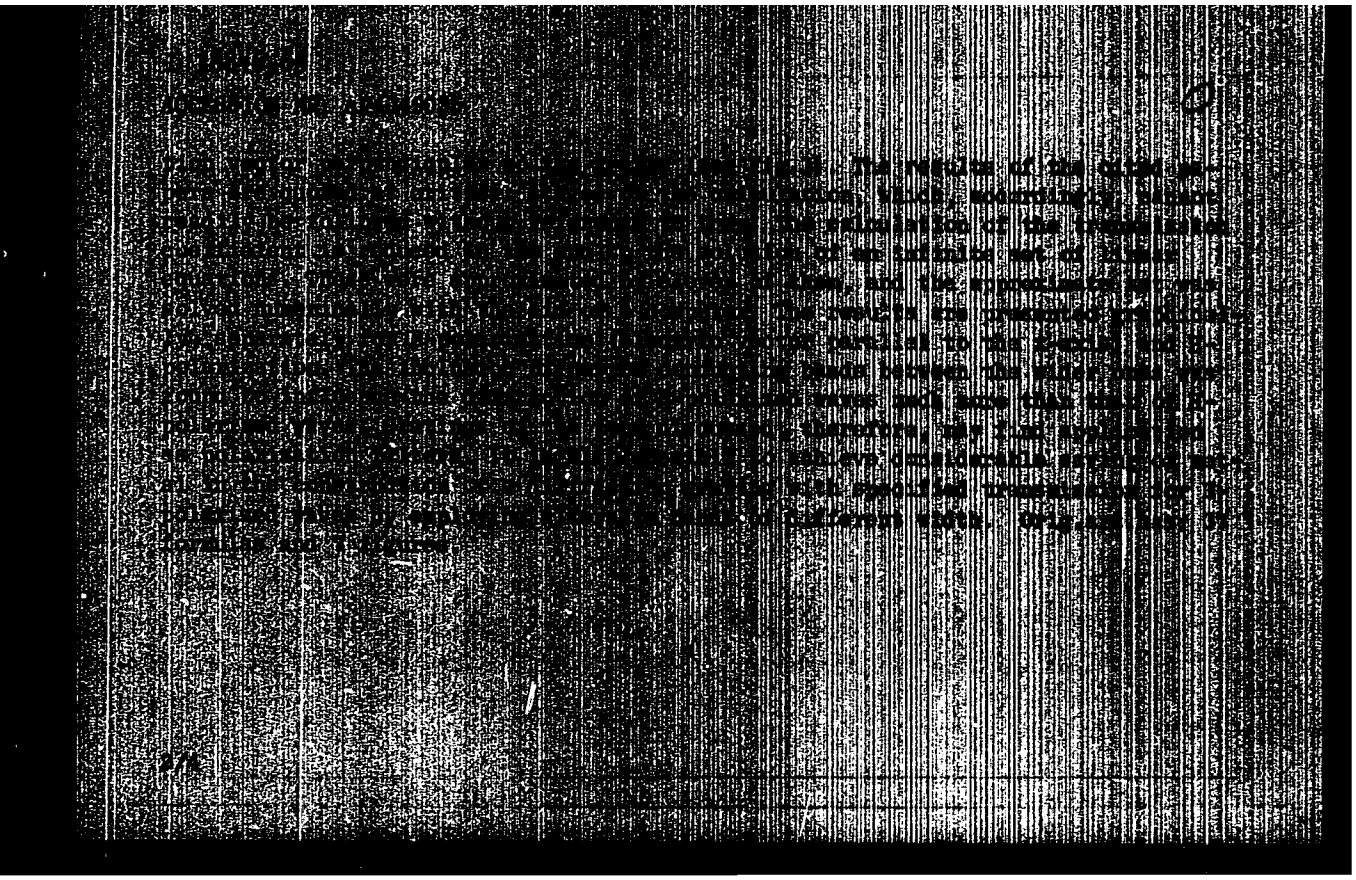
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



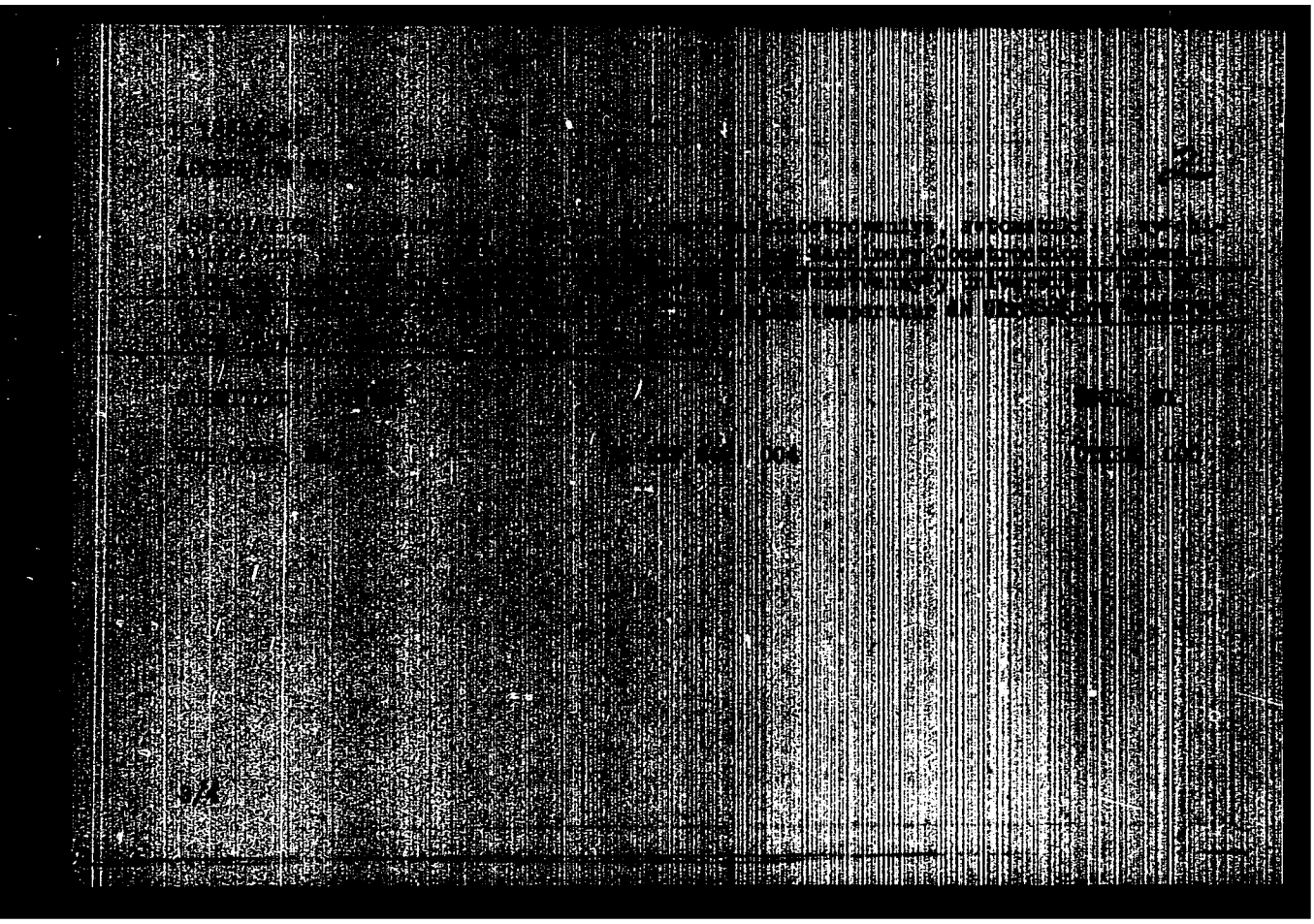
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



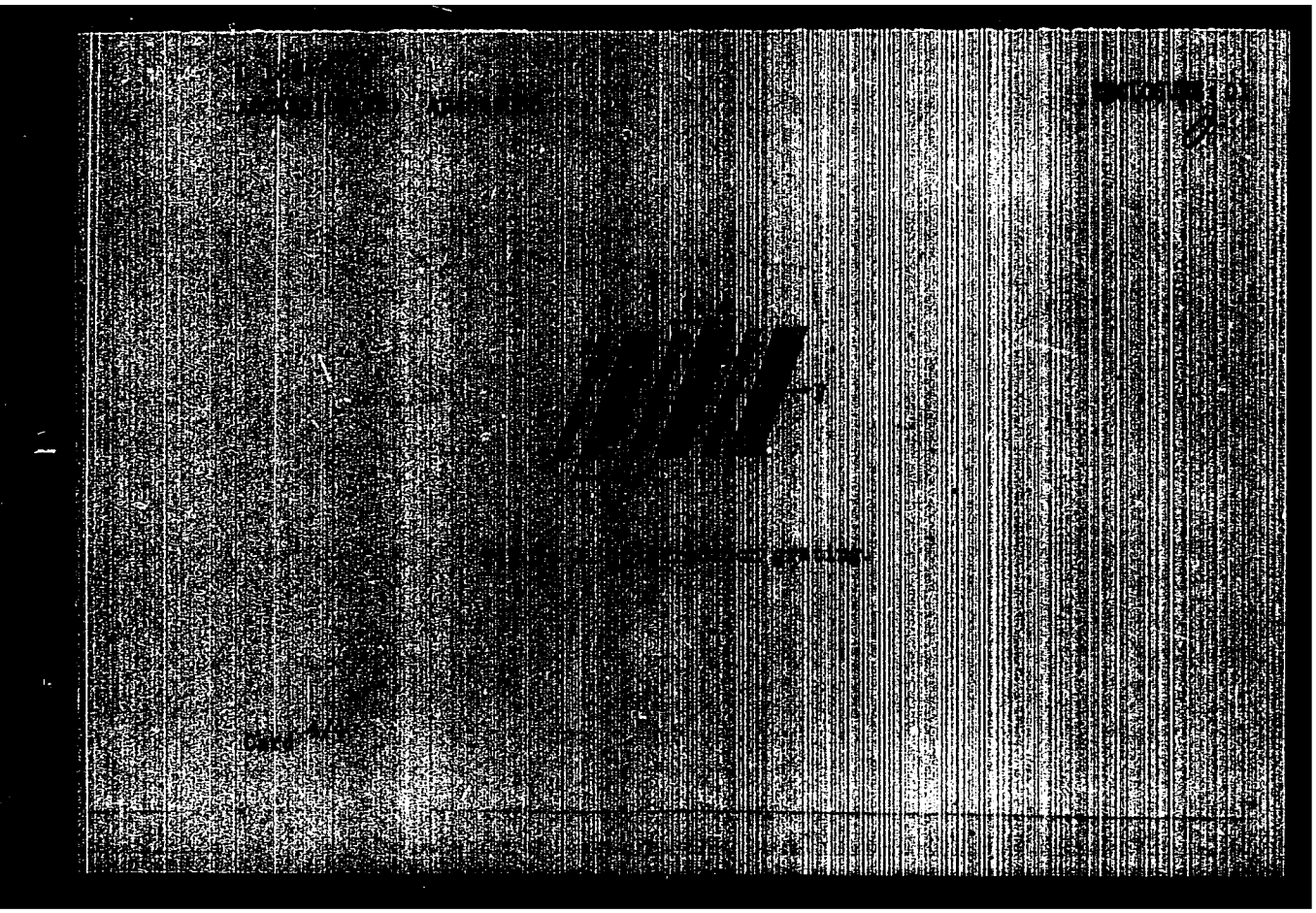
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



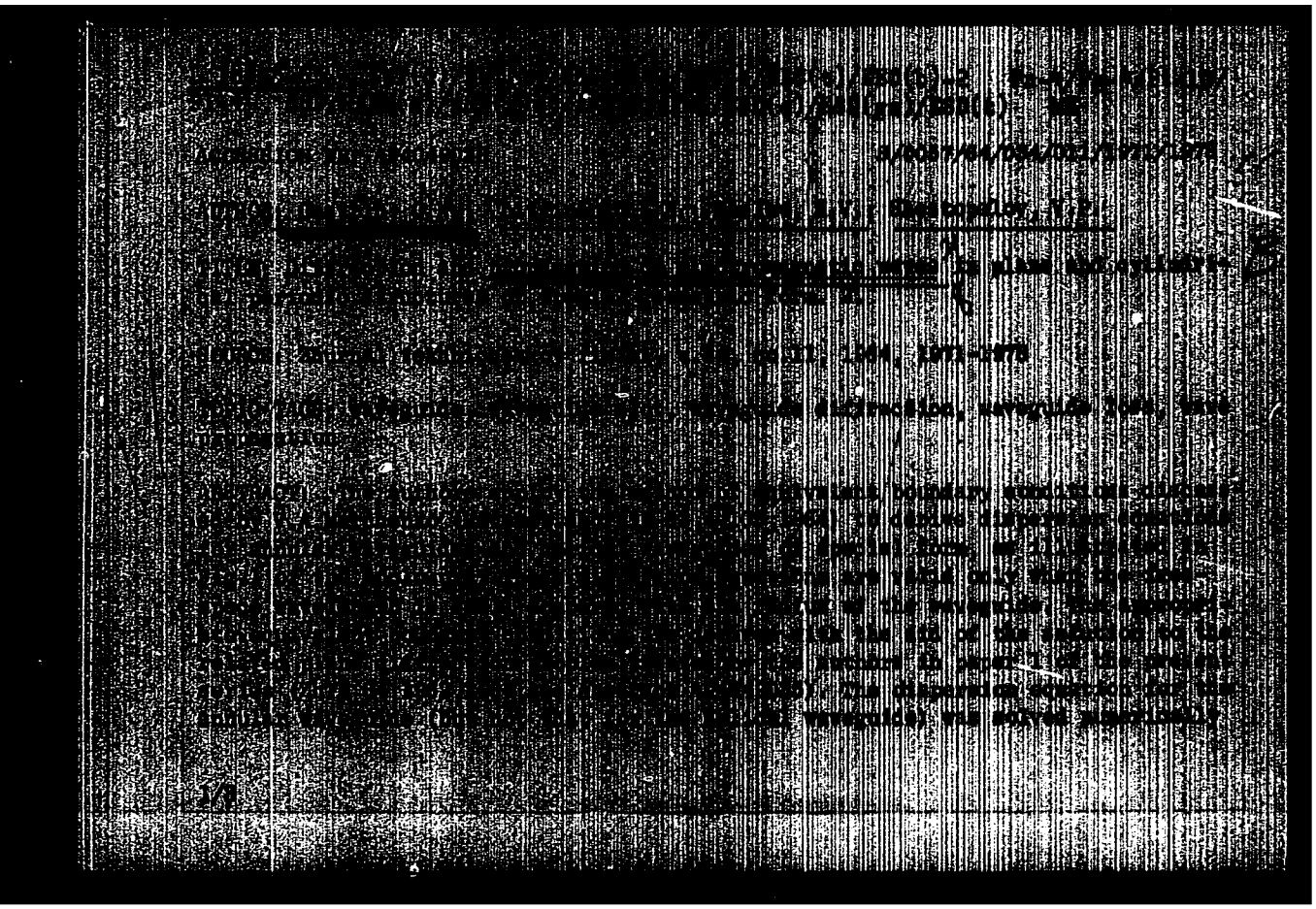
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



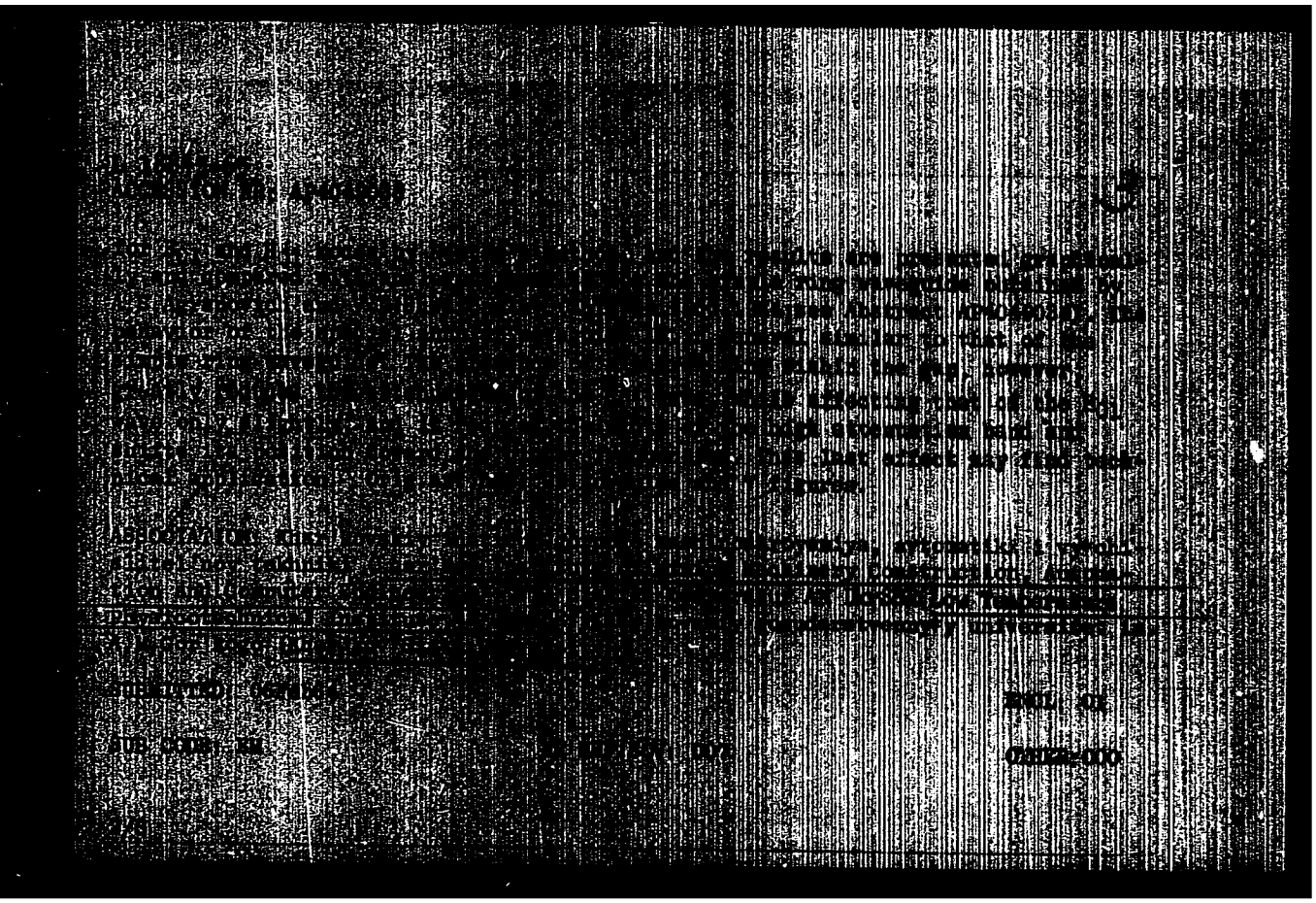
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



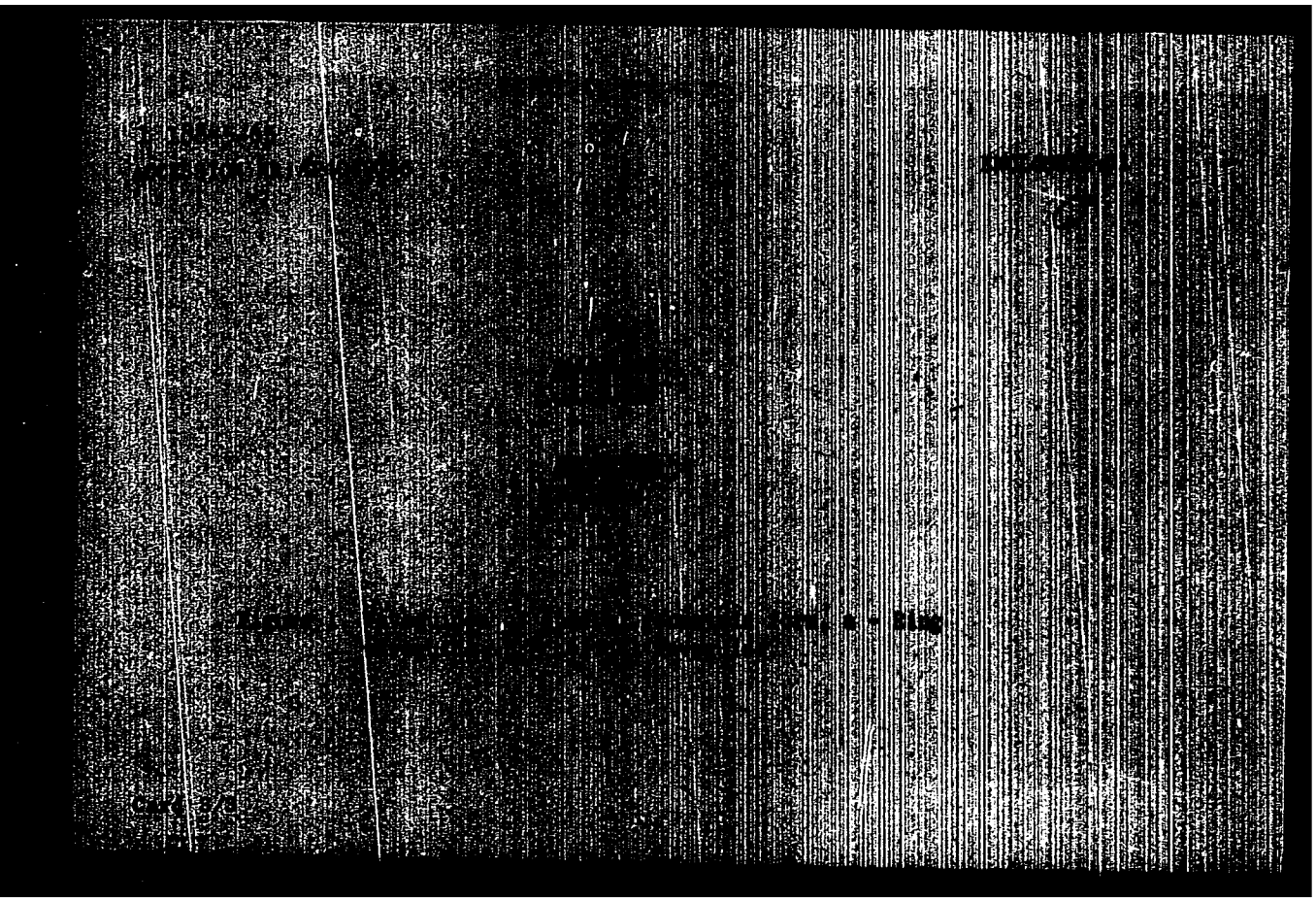
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3



APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESTRIN, C.N. (Khar'kov)

Fundamental solutions to systems invariant with respect to rotations. Ukr. mat. zhur. 17 no.3:32-42 '65. (MIRA 18:6)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESTRIN, N.P. [Hestryn, N.P.]; NIKIFORENKO, V.A. [Nykyforenko, V.A.]

Improving the production of polysaccharides in the Mizoch and Sambor sugar factories. Kharch.prom. no.4:16-20 O-D '63. (MIRA 17:1)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

MANZHALOVSKIY, Vladimir Pavlovich; GOSTRIN, T.N., kand.fiz.-matem. nauk, otv.red.; TRET'YAKOVA, A.N., red.; CHERNYSHENKO, Ya.T., tekhn.red.

[Integration of some homogeneous linear differential equations of the second order with variable coefficients in special functions] K integrirovaniiu nekotorykh odnorodnykh lineinykh differentsial'nykh uravnenii vtorogo poriadka s peremennymi koeffitsientami v spetsial'nykh funktsiiakh. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1959. 68 p. (MIRA 12:9)
(Differential equations, Linear)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

KOZINETS, P.V.; KANTASHOV, I.N.; KAGANOVSKIY, A.I., GESYUK, Z.M.; SASIN, I.F.; MAYMAN, G.M., inzh., retsenzent; LITCHUK, A.M., kand. tekhn.nauk, red.; GALANOVA, M.S., red. izd-va; EL'KIND, V.D., tekhn. red.

[Technology of diesel locomotive construction]Tekhnologiia teplovozostroeniia. [By] P.V.Kozinets i dr. Moskva, Mashgiz, 375 p. (MIRA15:10)
(Diesel locomotives--Design and construction)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESZT, Gh.

ROMANIA/Human and Animal Physiology - The Nervous System. V-10

Abs Jour : Ref Zhur - Biol., No 2, 1958, 9049

Author : F. Obal, Gh. Geszt, A. Kelemen, A. Fall
Inst : -
Title : The Role of the Nervous System in the Genesis of Hypothermy Produced by Novocaine and Ergot Alkaloids. A Study Employing the Conditioned Reflex Method.

Orig Pub : Studii si cercetari stiint. Acad. RPR Fil. Cluj, 1955, Ser. 2, 6, No 1-2, 133-143

Abstract : A conditioned reflex, produced in rats to the hypothermic effect of ergotoxine (0.1 mg/100 g) or dihydroergotoxine (0.5 mg/100 g), developed as a hyperthermic reaction, and reduced the effect of the preparations. This is explained by the compensatory role of the cerebral cortex. In guinea pigs the similar compensation of the hypothermic effect of novocaine was less strongly marked than in rats. The conditioned reflex to large doses of novocaine (40 mg/100 g

Card 1/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

A New Basis for the Differential Calculus

2

1-F\W

Geszteluri, Ernő. Eine neue Begründung der Differentialrechnung. Mat. Lapok 9 (1958), 91–114. (Hungarian. Russian and German summaries)

The considerations of the author are based on the ring of "mixed quantities" in the sense of L. Neder [Math. Ann. 118 (1941), 251–262; MR 5, 257]. With the aid of well-defined "infinitesimal" quantities the author introduces, without using limiting processes, the concepts of differentiability, differen ial and differential quotient, showing that these coincide with the corresponding classical concepts. The paper seems to be related to more general investigations of E. Kähler [Bericht über die Mathematiker-Tagung in Berlin, 1953, pp. 58–163, Deutsch. Verlag der Wissenschaften, Berlin, 1953; MR 16, 563].

A. Kertész (Debrecen)

lk 1/1

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESZTELYI, Erno

Axiomatic interpretation of the concept of convergence. Mat Lapok 12 no 3/4:190-195 '61.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESZTELYI, Erno

On the functional equation of autodistributiveness. Mat lapok 13 no.1/2:199-200 '62.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESZTI, Tamas; [illegible], Andras

Electric characteristics of semiconductor surfaces. [illegible].
Fiz szemle 14 no.8:251-256 Ag'64

1. Research Institute of [illegible] Physics, Hungarian Academy of Sciences, Budapest.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESZTI, Tamas; LORINCZY, Andras

Electric properties of semiconductor surfaces. Pt.2. Fiz szemle 14 no.9:278-282 S '64.

1. Research Institute of Technical Physics, Hungarian Academy of Sciences, Budapest.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

FENYOHAZI, Laszlo, dr.; GESZTESI, Tamas, dr.

Experience with Delagil therapy of primary chronic polyarthritis.
Orv. hetil. 102 no.49:2334-2335 3 D '61.

1. Tolna Megyei Tanacs Balassa Janos Korhaz, Belosztaly, Szekszard.

(ARTHRITIS RHEUMATOID ther) (CHLOROQUINE ther)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESZTESI, Tamas, dr.; WALLACHER, Lajos, dr.

Ulcerogenic tumor of the pancreas (Zollinger-Ellison syndrome). Orv. hetil. 103 no.24:1132-1134 17 Je '62.

1. Tolna megyei Tanacs Balassa Janos Korhaz, Belgyogyaszati es Korbonctani Osztaly.

(ISLET CELL TUMORS case reports)
(PEPTIC ULCER case reports)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3

GESZTESI, Tamas

HUNGARY

KOVACS, Sandor MD; SZENTGALI, Gyula MD; MOLNAR, Ferenc, GESZTESI, Tamas MD and BIRO, Lare, MD, of the Laboratory, Internal Medicine Division and Surgical Division (Laboratorium, Belosztaly es Sebeszeti Osztaly) of the Balassa Janos Hospital (Balassa Janos Korhaz) of the Council of Tolna Megye (Tolnamegyei Tanacs).

"Polarography in Serodiagnostics of Cancer. Preliminary Communication"

Budapest, Orvosi Hetilap, Vol 103, No 47, 25 Nov 62; pp 2214-2216.

Abstract [Authors' Hungarian summary] Authors describe the polarographic method of the serodiagnostics of cancer. They report on their preliminary experiences with a modified polarographic method. On the basis of those experiences they state that although polarography cannot be considered a cancer-specific diagnostic method, it may nevertheless turn out to be a significant factor in the early diagnosis or differential diagnosis of cancer. Further data are being collected on a large patient material. [21 references, predominantly Hungarian and East- and West German].

1/1

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000514930006-3"